Name of Work:	Maintenance of Roads and Footpath in ward no.12 Shettyhalli.
Est Cost	Rs. 20.00 Lakhs
Job Code No	012-20-000076 P3296

ತಾಂತ್ರಿಕ ವರದಿ

ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ, ದಾಸರಹಳ್ಳಿ ವಲಯ, ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗದ ವಾರ್ಡ್ ನಂ.12, ಶೆಟ್ಟಿಹಳ್ಳಿ ವ್ಯಾಪ್ತಿಯಲ್ಲಿನ Maintenance of Roads and Footpath in ward no.12 Shettyhalli ಕಾಮಗಾರಿಯು 2019-20 ನೇ ಸಾಲಿನ 14ನೇ ಹಣಕಾಸು ಯೋಜನೆ ಅನುದಾನದ ಲೆಕ್ಕಶೀರ್ಷಿಕೆ ಪಿ3296 ರ ಅನುದಾನದಲ್ಲಿ ರೂ.20.00 ಲಕ್ಷಗಳಿಗೆ ಕಾಮಗಾರಿ ಮಂಜೂರಾಗಿದ್ದು, ಕಾಮಗಾರಿ ಸಂಕೇತ 012-20-000076 ರಲ್ಲಿ ದೊರೆತಿರುತ್ತದೆ.

ಮುಂದುವರೆದಂತೆ, 2019-20 ನೇ ಸಾಲಿನ 14ನೇ ಹಣಕಾಸು ಯೋಜನೆ ಅನುದಾನದಡಿಯಲ್ಲಿ ರೂ.20.00 ಲಕ್ಷಗಳನ್ನು ವಾರ್ಡ್ ನಂ.12 ರಲ್ಲಿ ಬರುವ ಶೆಟ್ಟಿಹಳ್ಳಿ ಮುಖ್ಯರಸ್ತೆಯಲ್ಲಿ ಫುಟ್‌ಪಾತ್ ಮಾಡುವ ಕಾಮಗಾರಿಯನ್ನು ಅನುವು ಮಾಡಿಕೊಂಡಿದ್ದು, ಒಟ್ಟು ರೂ.20.00 ಲಕ್ಷಗಳನ್ನು ಮೀಸಲಿರಿಸಲಾಗಿದ್ದು, ಈ ಕೆಳಕಂಡ ಅಂಶವನ್ನು ಅಳವಡಿಸಿಕೊಂಡುವ ಕ್ರಮವಹಿಸಲು ಅಂದಾಜಿನಲ್ಲಿ ಉದ್ದೇಶಿಸಲಾಗಿದೆ.

ಅಂದಾಜಿನಲ್ಲಿ ಈ ಕೆಳಕಂಡ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿಕೊಳ್ಳಲಾಗಿದೆ.

1. Earthwork excavation by manual means in Ordinary soil.
2. Plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs.
3. Providing laying palin / reinforced cement concrete for side Drain using M20 nominal mix concrete.
4. Supplying, fitting and placing TMT bar Fe 500.
5. Supplying and fixing precast reinforced concrete slab 10 cm thick.
6. Providing and fixing kerb stone and etc.,

ಇತ್ಯಾದಿ ಮುಂತಾದ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆಯ ಬೆಂಗಳೂರು ವೃತ್ತದ 2018-19 ನೇ ಸಾಲಿನ ದರಪಟ್ಟಿಯಂತೆ ರೂ. 20.00 ಲಕ್ಷಗಳಿಗೆ ಅತೀ ಸೂಕ್ಷ್ಮ ಸರಳತೆ ಅನುಸರಿಸಿ ಅಂದಾಜನ್ನು ತಯಾರಿಸಿ ಅಂದಾಜಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ ಹಾಗೂ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿಯನ್ನು ನೀಡಲು ಕೋರಲಾಗಿದೆ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ.12

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ

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BRUHATH BANGALORE MAHANAGARA PALIKE
DASARAHALLY ZONE

Name of work : Maintenance of roads and footpath in ward no 12 Shettyhalli, Shettyhalli Sub Division

Job No : 012-20-000076

Description of work	Unit	F code: F3296 Measurements No	L	B	D	Qty	Est Cost Rs : 20.00 Lakhs Rate	Amount
KSRB 3.3.1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (PWD SR 2018-19, Page No.143, Item No. 19.1)								
Shettyhalli main road	cum	1	120.00	1.10	1.00	132.00		
Basic Rate	130.00					132.00	233.20	30782.00
Lead calculation for 13km ((2x1.28x13)+13=95.4)	95.40					Cum		
Area Weightage@6%	7.80							
Total	233.20							
KSRB 4.1.7 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, SOM (**PWD SR 2018-19 Page No.13 , Item No.4.7**)								
Shettyhalli main road	cum	1	120.00	1.00	0.15	18.00		
						18.00	**5714.96**	**102869.0**
Basic rate	5309.00					Cum		
Deduct cement rate as per SR 2018-19	1079.39							
Sub Total	4229.61							
Add cement rate as per issue rate	1161.86							
Total	5391.47							
Baise Rate	5391.47							
Area Weightage @ 6%	323.49							
	5714.96							
SRRB M2200-5.12. Providing and laying Design mix M25 with OPC @ 340kgs, with 0mm and down size graded granite metal coarse aggregates @0.7cum and fine aggregates @ 47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 - i) Upto height (**PWD SR 2018-19 It No 28.7.12 P. No 222**)								
Shettyhalli main road bed	cum	1	120.00	0.90	0.15	129.60		
Shettyhalli main road wall		2	120.00	0.15	0.60	21.60		
						151.20	**5775.38**	**873237.0**
Basic rate	5321.00					Cum		

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Deduct cement rate as per SR 2018-19	1668.14								
Sub Total	3652.86								
Add cement rate as per issue rate	1795.61								
Total	5448.47								
Baise Rate	5448.47								
Area Weightage @ 6%	326.91								
	5775.38								
KSRRB M2200-6 : Providing **TMT teel reinforcement for RCC work** including straightening, cutting, bending, hooking, placing in position, lapping and /or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design(laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification MORTH Specification No.1600 & 2200 - TMT Bars Fe 500 **[PWD SR 2018-19 P. no.18 - I. no.4.46.2]**									
For Drain									
	MT		53.35		45	2400.75			
For Culvert						**2.40**			
			23.87		**80**	1909.60			
						1.91			
Basic rate				**Total**		**4.31**	75223.96	324215.00	
Add AW 6%	70966.00					MT			
	4257.96								
	75223.96								
Providing and fixing precast reinforced cement concrete covering slabs 10cm thick made out of M25 with OPC cememnt @340kgs per cum, 20mm and down size graded granite metal corse aggreates @0.70 cm and fine aggregates @0.74 cum with super plasticizers machine mixed, including providing and removing centering, shuttering strutting propping etc., for edges of slab with TMT steel (Fe500) cost & reinforcement charges including finishing as required with cost of reinforcement etc., complete as per the direction of Engineer-in-charge of the work									
Pipe line Road Drain	**Sqm**								
Ch: 0.00 m to 317.70m		1	120.00	0.90		108.00			
				Total Qty		**108.00**	1615.00	174420	
Approved Rare	1615.00					Sqm.			
Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. [PWD SR 2018-19 P. no.27 - I. no.5.30)									
	NO								
Shettyhalli main road	~~Cum~~		636.00			636.00			
						636.00	432.48	275057.28	
						NOS			

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RRB 800-1. Painting two coats after filling the surface w… namel paint in pproved shades on new plastered concrete surfaces, with mat…ials, labour complete as per pecifications. MORTH Chapter 8 [PWD SR 2018-19 P. no.180- I. no.24.1)								
Shettyhalli main road	Cum	1	100.00		0.45	45.00		
						45.00	84.80	3816.00
							Sub Total	1784396.28
							Add GST @ 12 %	214128.00
							Add for unforseen charges and rounding off	1475.72
							Grand Total	2000000.00
(Rupees Twenty Lakhs Only)								

Certified that the work is not split
Certified that the estimate is based on PW,P&IWTD Bangalore Circle SR of 2016-17
Certified that Adeqate & necessary provisions have made in the estimate.
Certified that the above area comes under BBMP limit

Asst Engineer
Ward-12

Asst.Executive Engineer
Shettyhalli Sub Division

Executive Engineer
Dasharahalli Division

ADMINISTRATIVELY SANCTIONED FOR
(Rupees Twenty lacks only
(Rs. 20.00 lacks)
Under the Head of Account P-3296
Registered as no EE(D.D.)/AS/1359 Subject
to conditions contained in Enclosed Memo
No. EE/DD/AS/359/2020-21 Dt. 17.11.2020

Exe. Engg
(DASARAHALLI) BBMP

E/AE.

Technically sanctioned for Rs. 2000 lakh.
Rs. In words Two crore lakhs only.
Under TS HB-3296
Job Code No 801200000076
Registered as EE No 34 Subject
to conditions contained in Enclosed
No EE/DD/TS/34/2020-21 Dt. 17.11.2020

AE/JE

Executive Engineer

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